

What is Claimed is:

1. A method of setting communication parameters, said method  
5 comprising:

a connection step in which a first communication device is connected to a  
second communication device, each of which devices has a first  
communication unit for wireless communication, and a second, different,  
communication unit, said devices being connected in said connecting step  
10 via respective said second communication units;

a guide information communication step in which said first communication  
device sends, via its second communication unit, guide information which  
is received by said second communication device via its second  
communication unit, said guide information concerning communication  
15 forms usable by said first communication unit of said first communication  
device; and

a communication parameter determination step in which said second  
communication device determines on the basis of said guide information,  
communication parameters for use when said first communication device  
20 and said second communication device communicate via their respective  
first communication units.

2. The method according to claim 1, wherein following completion of  
said communication parameter determination step,

25 a communication parameter setting step is carried out in which said second  
communication device sets communication parameters determined in said  
communication parameter determination step, said communication  
parameters being used when said second communication device  
communicates with said first communication device via its first

communication unit.

3. The method according to claim 1, wherein following completion of said communication parameter determination step,

5 a communication parameter communication step is carried out in which said second communication device sends, via its second communication unit, communication parameters determined in said communication parameter determination step, which communication parameters are received by said first communication device via its second communication unit; and

10 a communication parameter setting step is carried out in which said first communication device sets said communication parameters, said communication parameters being used when said first communication device communicates with said second communication device via its first communication unit.

4. The method according to claim 1, wherein following completion of said communication parameter determination step,

20 a communication parameter communication step is carried out in which said second communication device sends via its second communication unit, communication parameters determined in said communication parameter determination step, which communication parameters are received by said first communication device via its second communication unit; and

25 a communication parameter setting step is carried out in which said first communication device and said second communication device set said communication parameters, said communication parameters being used when said first communication device and said second communication device communicate via their respective first communication units.

5. The method according to claim 1, wherein the connection in said connection step is established by bringing into direct contact said second communication unit of said first communication device with said second communication unit of said second communication device.

6. The method according to claim 1, wherein the connection in said connection step is established by a shorter distance wireless communication than the wireless communication between said first communication device and said second communication device via respective said first communication units.

7. The method according to claim 1, wherein said first communication device and said second communication device are communication terminals.

8. The method according to claim 1, wherein either said first communication device or said second communication device is an access point for relaying communications when two or more other communication devices execute wireless communications.

9. The method according to claim 1 wherein, in said communication parameter determination step, a communication protocol selection step is carried out in which said second communication device selects one or more communication protocols, said communication protocols being used when said second communication device communicates with said first communication device via its first communication unit.

10. The method according to claim 1, wherein said communication parameters include communication protocol parameters for use in performing both wired and wireless communications.

5 11. The method according to claim 1, wherein a cryptograph key information communication step is carried out in which said first communication device sends, via its second communication unit, cryptograph key information, which cryptograph key information is received by said second communication device via its second  
10 communication unit, said cryptograph key information being used for encrypting and/or encoding information which said second communication device sends and/or receives via its first communication unit, and wherein said second communication device encrypts and/or encodes information which said second communication device sends and/or  
15 receives via its first communication unit, using said cryptograph key information.

12. The method according to claim 1, wherein a cryptograph key information communication step is carried out in which said second  
20 communication device sends, via its second communication unit, cryptograph key information, which cryptograph key information is received by said first communication device via its second communication unit, said cryptograph key information being used for encrypting and/or encoding information which said first communication device sends and/or  
25 receives via its first communication unit, and wherein said first communication device encrypts and/or encodes information which said first communication device sends and/or receives via its first communication unit, using said cryptograph key information.

13. The method according to claim 1, wherein an identifier communication step is carried out in which said first communication device sends, via its second communication unit, an identifier, which identifier is received by said second communication device via its second communication unit, said identifier being used for identifying said first communication device,

and wherein said second communication device approves or rejects communications which said first communication device executes with said second communication device, using said identifier.

14. The method according to claim 1, wherein an identifier communication step is carried out in which said second communication device sends, via its second communication unit, an identifier, which identifier is received by said first communication device via its second communication unit, said identifier being used for identifying said second communication device,

and wherein said first communication device approves or rejects communications which said second communication device executes with said first communication device, using said identifier.

15. The method according to claim 1, wherein an identifier communication step is carried out in which said first communication device sends, via its second communication unit, an identifier, which identifier is received by said second communication device via its second communication unit, said identifier being used for identifying said first communication device,

and wherein said second communication device determines a range where said first communication device can use network resources in a wireless communication which said first communication device executes via its first

communication unit, using said identifier.

16. The method according to claim 1, wherein an identifier communication step is carried out in which said second communication device sends, via its second communication unit, an identifier, which identifier is received by said first communication device via its second communication unit, said identifier being used for identifying said second communication device,

and wherein said first communication device determines a range where said second communication device can use network resources in a wireless communication which said second communication device executes via its first communication unit, using said identifier.

17. A communication device, said device comprising:

a first communication unit for wireless communication;

a second, different, communication unit;

a storage unit, and;

a control unit which sends guide information concerning communication forms usable by said first communication unit to other communication devices via said second communication unit.

18. A communication device, said device comprising:

a first communication unit for wireless communication;

a second, different, communication unit;

a storage unit, and;

a control unit which receives, from a second, different, communication device of the same type as this device, via said second communication unit of this communication device, guide information concerning communication forms usable by said first communication unit of said

second communication device, and which determines communication parameters for use when this communication device and said second communication device communicate via their respective first communication units.

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19. A record medium, said medium containing a program and being readable by a computer, which computer controls a communication device, which communication device has a first communication unit for wireless communication, a second, different, communication unit, and a storage unit, and said program letting said computer;

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detect that this communication device becomes communicable with other communication devices, via said second communication unit, and;

send guide information concerning communication forms usable by said first communication unit, via said second communication unit, to said other communication devices.

15

20. A record medium, said medium containing a program and being readable by a computer, which computer controls a communication device, which communication device has a first communication unit for wireless communication, a second, different, communication unit, and a storage unit, and said program letting said computer;

20

detect that this communication device becomes communicable with other communication devices, via said second communication unit;

receive from a second, different, communication device of the same type as this communication device, via said second communication unit of this communication device, guide information concerning communication forms usable by said first communication unit of said second communication device, and;

25

determine communication parameters for use when this communication

device and said second communication device communicate via their respective first communication units.

21. A program, said program letting a computer, which computer controls  
5 a communication device, which communication device has a first  
communication unit for wireless communication, a second, different,  
communication unit, and a storage unit;  
detect that this communication device becomes communicable with other  
communication devices, via said second communication unit, and;  
10 send guide information concerning communication forms usable by said  
first communication unit, via said second communication unit, to said other  
communication devices.

22. A program, said program letting a computer, which computer controls  
15 a communication device, which communication device has a first  
communication unit for wireless communication, a second, different,  
communication unit, and a storage unit;  
detect that this communication device becomes communicable with other  
communication devices, via said second communication unit;  
20 receive from a second, different, communication device of the same type as  
this communication device, via said second communication unit of this  
communication device, guide information concerning communication  
forms usable by said first communication unit of said second  
communication device, and;  
25 determine communication parameters for use when this communication  
device and said second communication device communicate via their  
respective first communication units.